

# 2012 Annual Report on Oil and Gas Activities

State Oil and Gas Council Meeting  
April 17, 2013

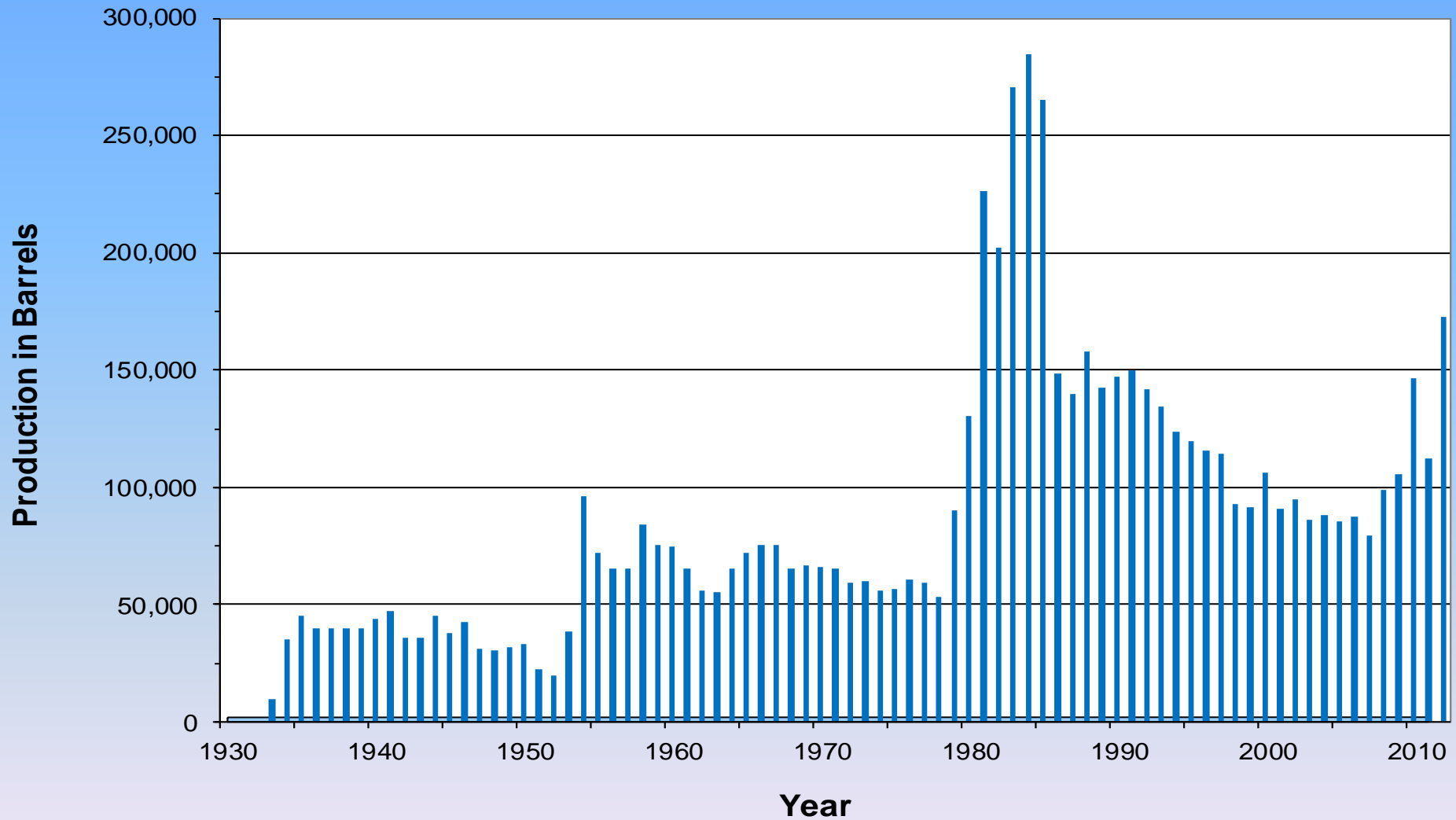
# Missouri's Oil Production in 2012

- 405 active producing oil wells in 2012
- 172,512 barrels of oil produced
- Valued at about \$14.3 million
- Price per barrel ranged \$65 - \$99.25
- Currently produced in six counties
- 18 companies operated in 2012
  - Currently 16 active companies

# Average Price for Missouri Oil

- Average price per barrel in 2012 - \$83.22 (↓~4%)  
(ranging from \$69.07 to \$94.22)
- Average price per barrel in 2011 - \$86.94 (↑~25%)  
(ranging from \$71.28 to \$102.61)
- Average price per barrel in 2010 - \$69.84 (↑~32%)  
(ranging from \$58.66 to \$81.02)
- Average price per barrel in 2009 - \$52.86  
(ranging from \$20.40 to \$70.46)

# Historic Oil Production



# MISSOURI

## 2012 Crude Oil Production By Operator

(Operators Producing >1.0% of Production)

	<u>bbls</u>	<u>% of total</u>
• Kansas Res. Expl. & Dev.-----	86,649	(50.23%)
• Running Foxes Inc.-----	20,407	(11.83%)
• Investment Equipment-----	16,942	(9.82%)
• Colt Energy Inc.-----	16,079	(9.32%)
• Laclede Gas Company-----	14,228	(8.25%)
• Laclede Oil Company-----	6,200	(3.59%)
• AltaVista Energy-----	3,793	(2.20%)
• T-5 Leasing-----	3,448	(2.00%)

# MISSOURI

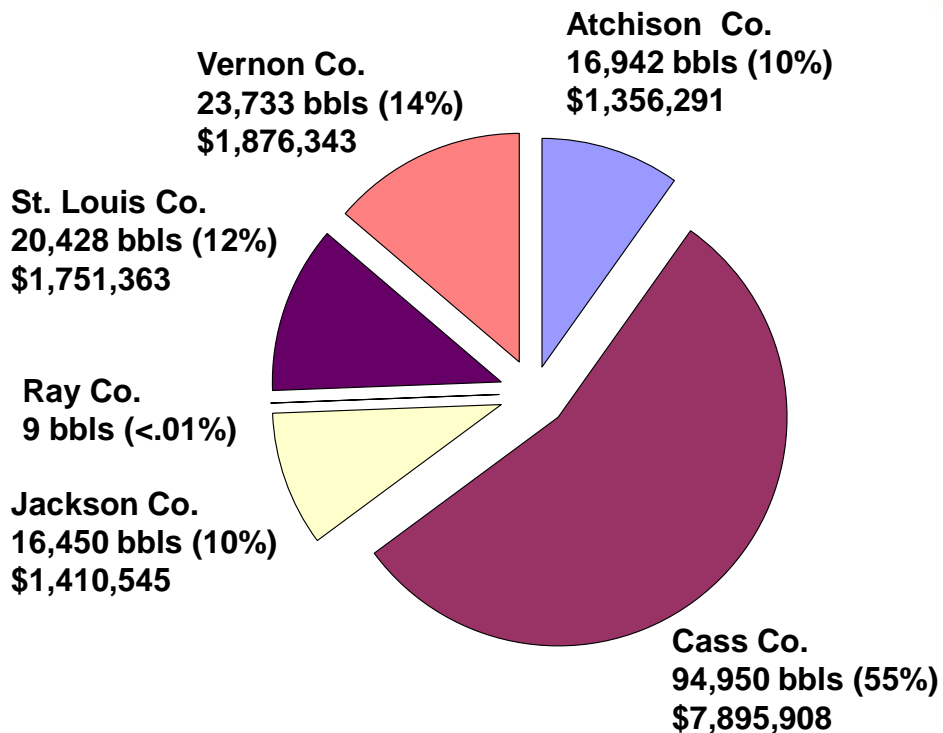
## 2012 Crude Oil Production By Operator

(Operators Producing <1.0% of Production)

	<u>bbls</u>	<u>% of total</u>
• Palo Petroleum-----	1,273	(0.74%)
• L.T. Oil-----	1,124	(0.65%)
• D.E. Exploration Inc.-----	868	(0.50%)
• S&B Operating-----	810	(0.47%)
• Town Oil Company-----	344	(0.20%)
• MegaWest Energy-----	153	(0.09%)
• Aztec Petroleum-----	48	(0.08%)
• Zero-CO2-----	45	(0.03%)
• IGWT-----	9	(0.01%)

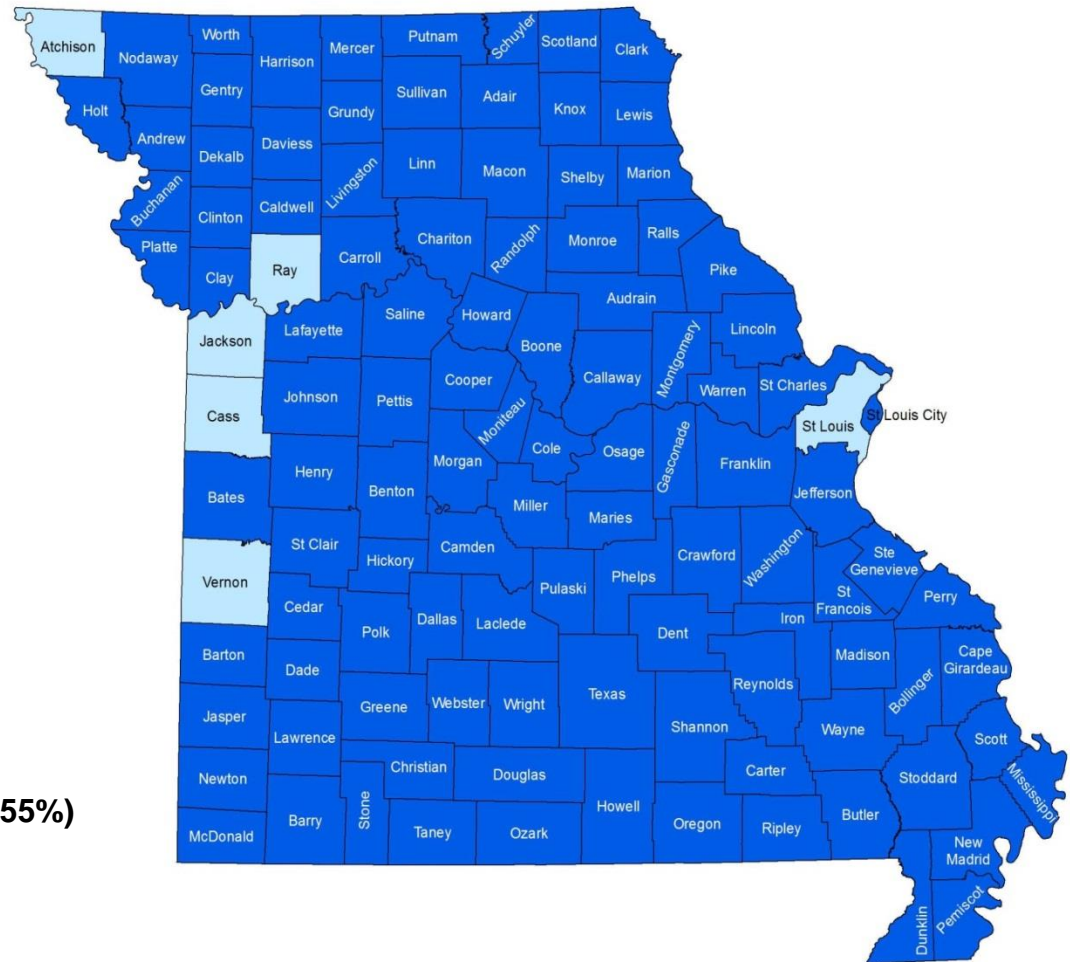
2012 Total Crude Oil Production----- 172,512 bbls

# 2012 Oil Producing Counties

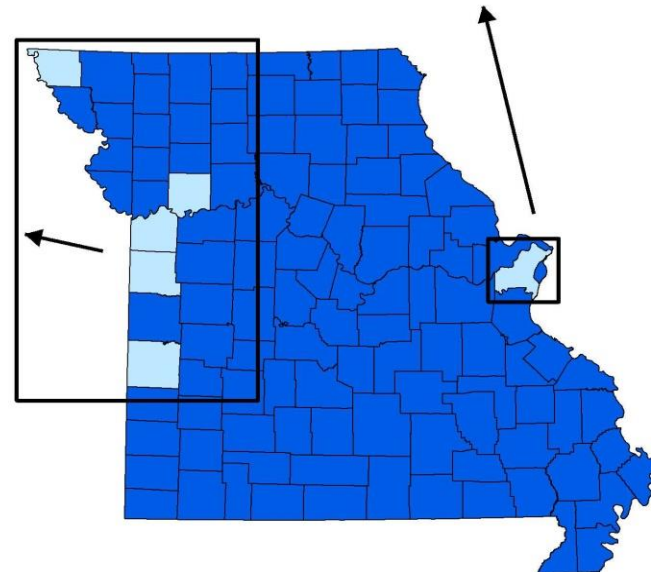
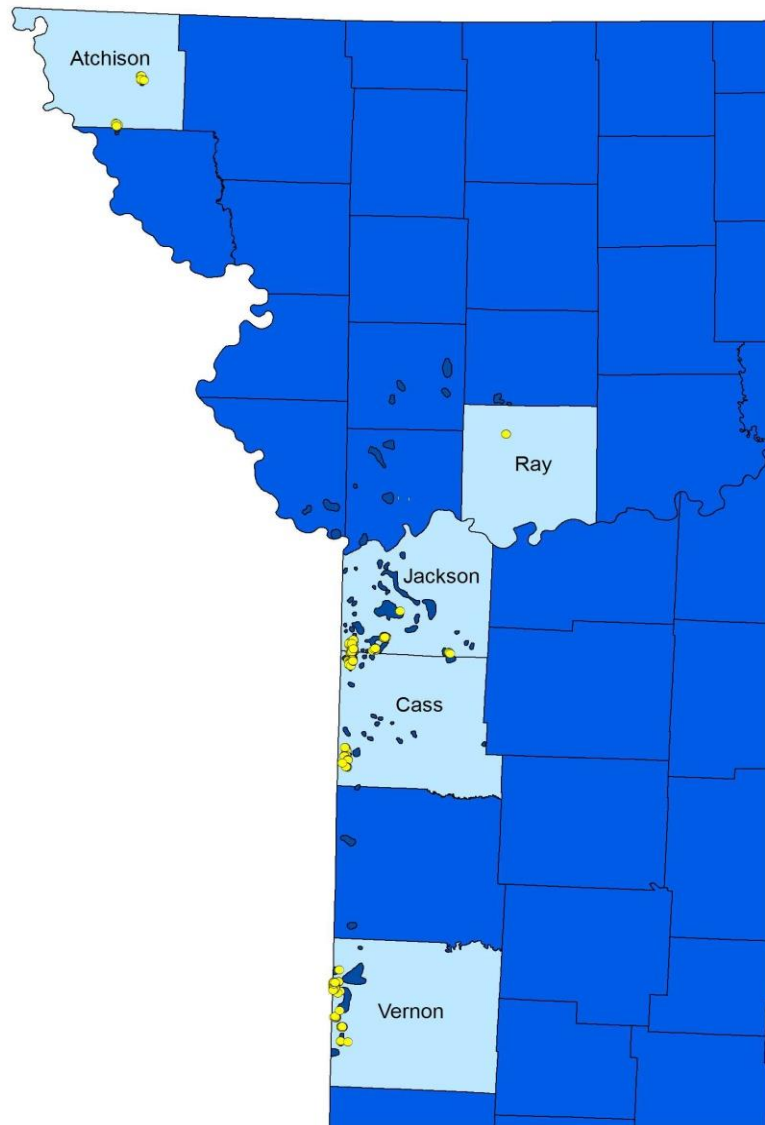


**Total Production 172,512 bbls**

**Total Value \$14,290,451**



# Oil Producing Counties and Known Fields





# Cass County

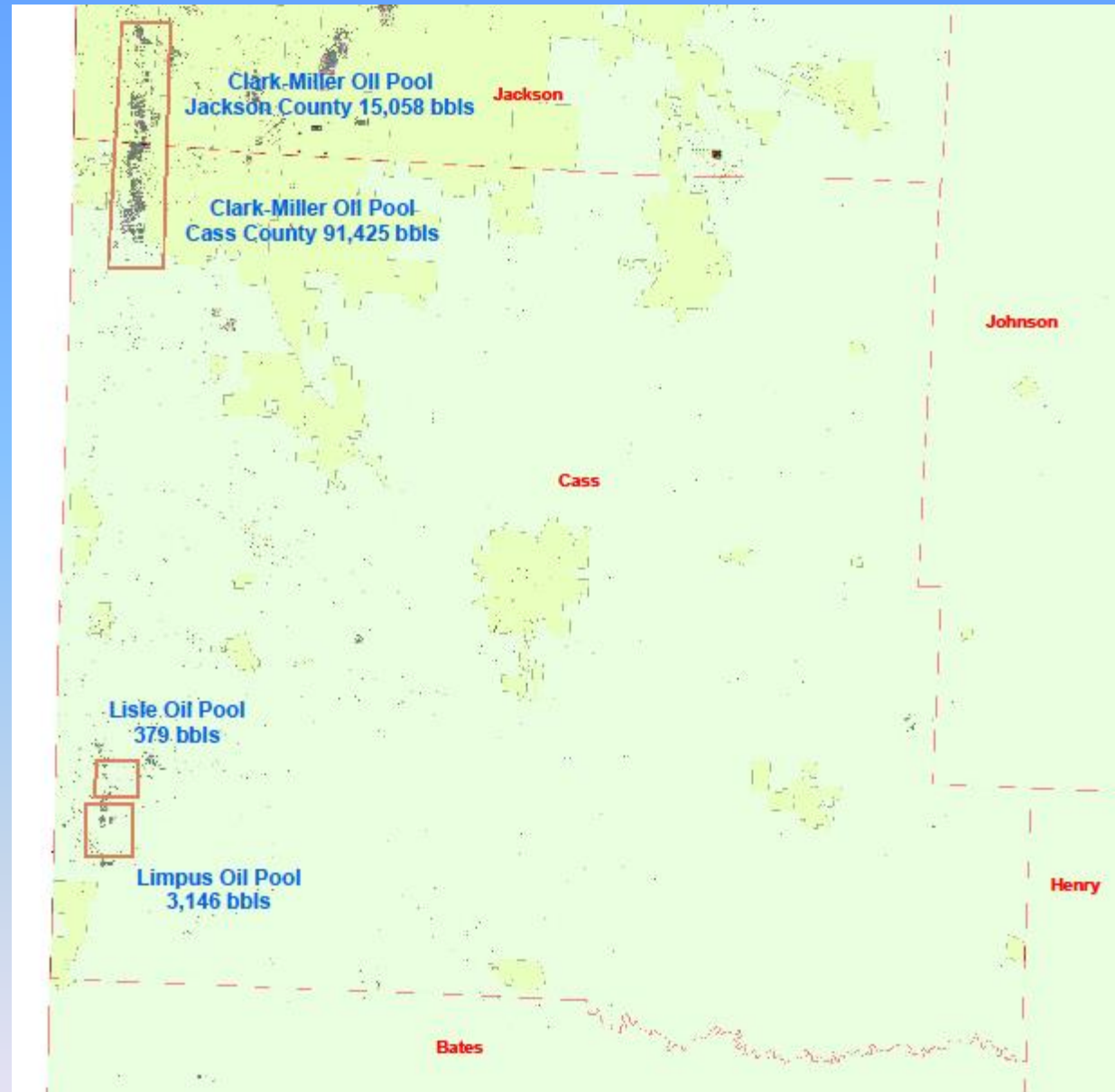
## Missouri's Top Oil Producing County

- 94,950 bbls
- 55% of the total oil produced in Missouri

# Clark-Miller Oil Pool

## Missouri's Top Oil Producing Pool

- 106,483 bbls
- 62% of total oil produced in Missouri



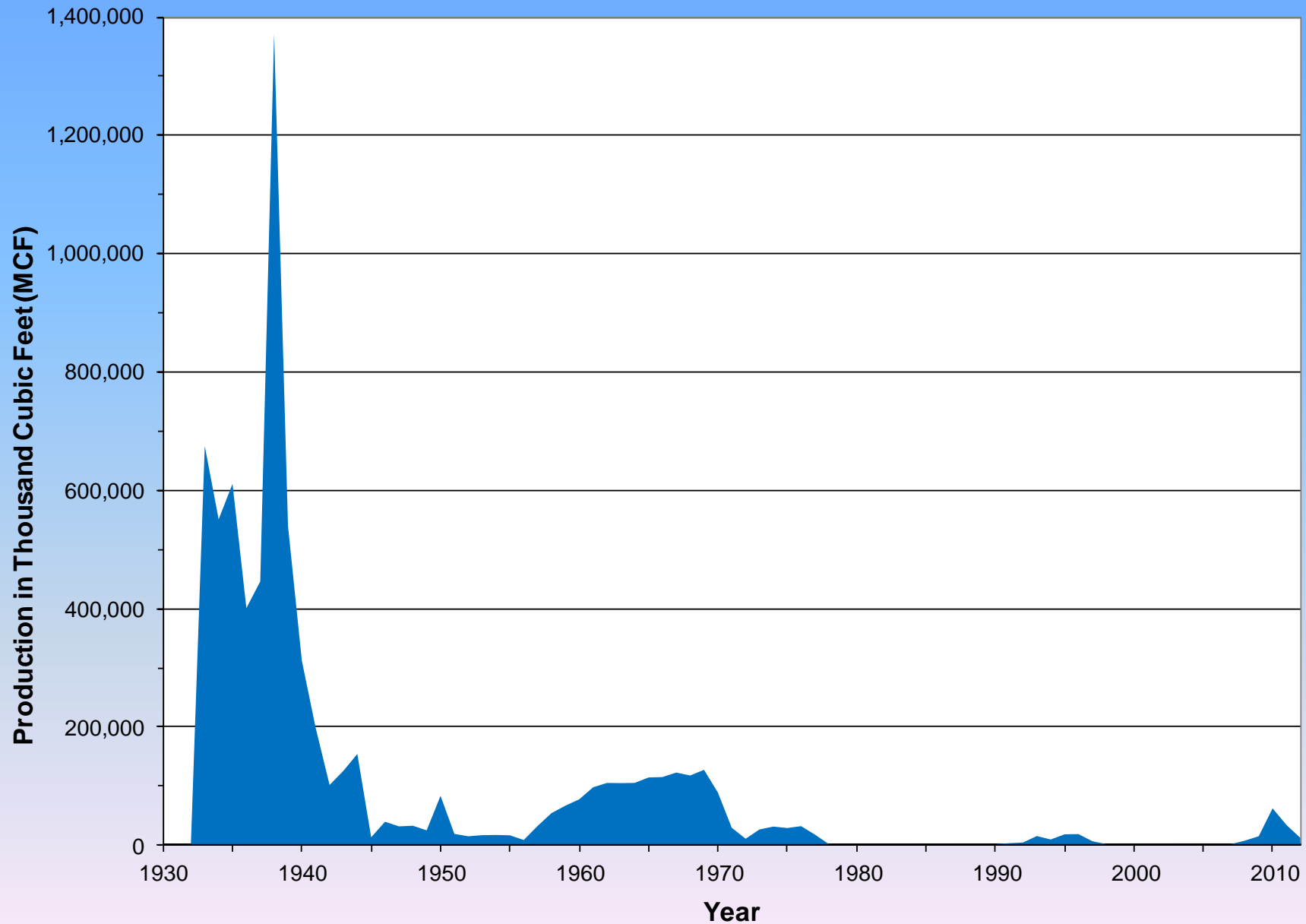
# Oil Producing Counties and Known Fields

- Oil and Gas Fields of Missouri, OFM-81-54-OG; for sale and planned for future posting on Oil & Gas web page
- Pools with council established boundaries planned for future posting on Oil and Gas web page

# Missouri's Commercial Gas Production in 2012

- 8 active producing commercial gas wells in 2012
- More than 10,053 MCF of gas produced
- Valued at more than \$25,745
- Price per MCF averaged \$2.66
- Currently, essentially all production in Vernon County
- One active and one inactive company
- One additional company has permits to construct in Clinton County

# Historic Commercial Gas Production

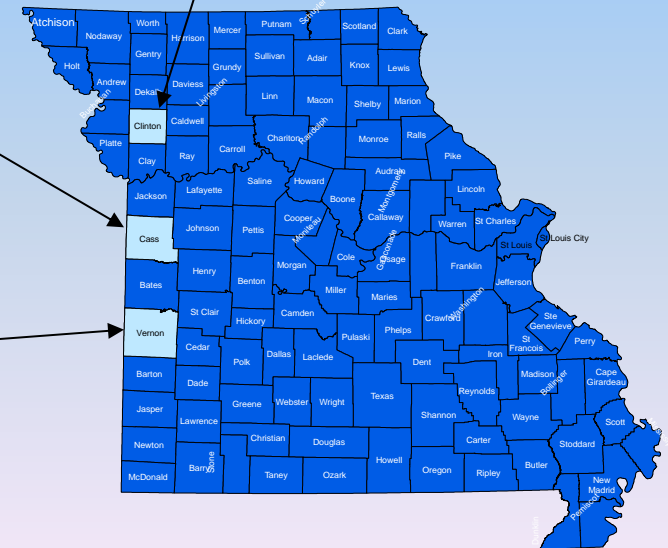
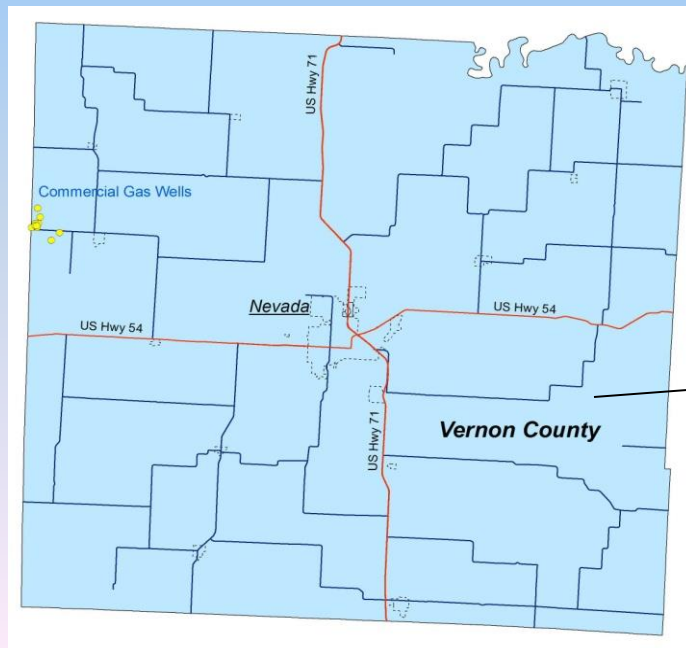
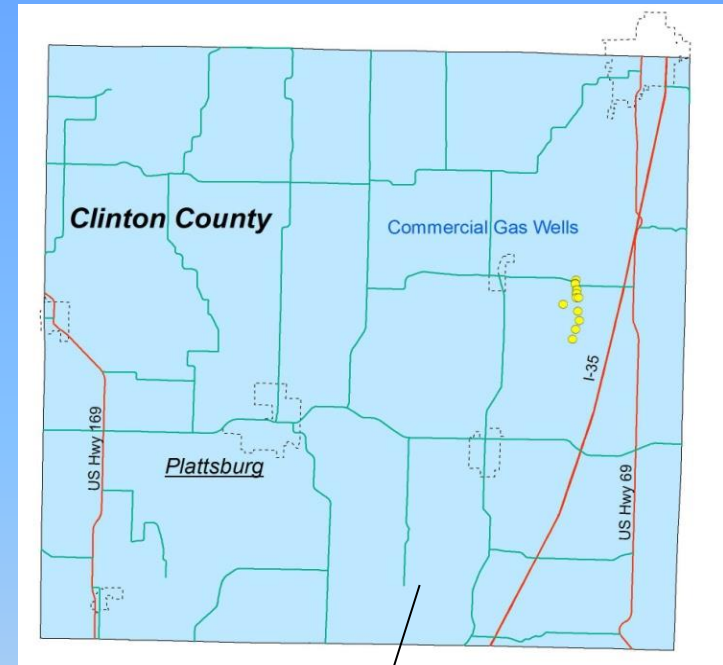
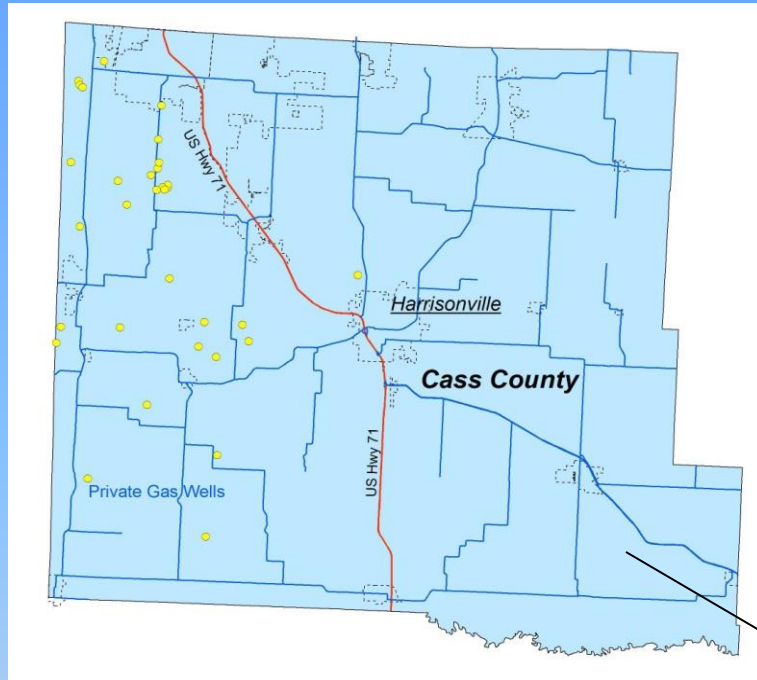


# Missouri's Private Gas Wells

- 488 private gas wells
- 50 are active
  - 32 are in Cass County
- The status is unknown for ~400 wells
- Four counties have private gas wells
  - Cass, Clay, Clinton and Jackson
- Production reporting is exempted



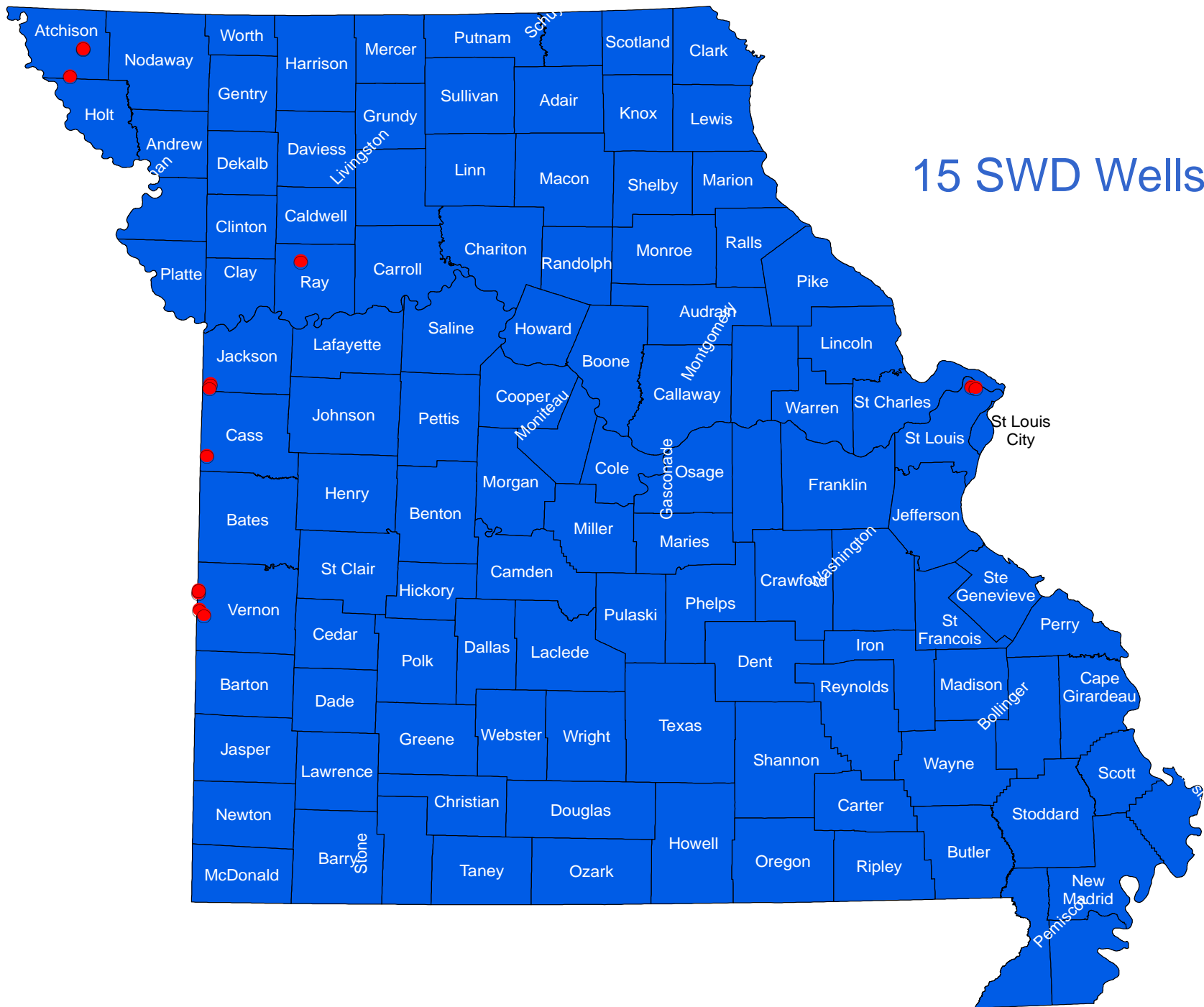
# Missouri's Commercial and Private Gas Wells



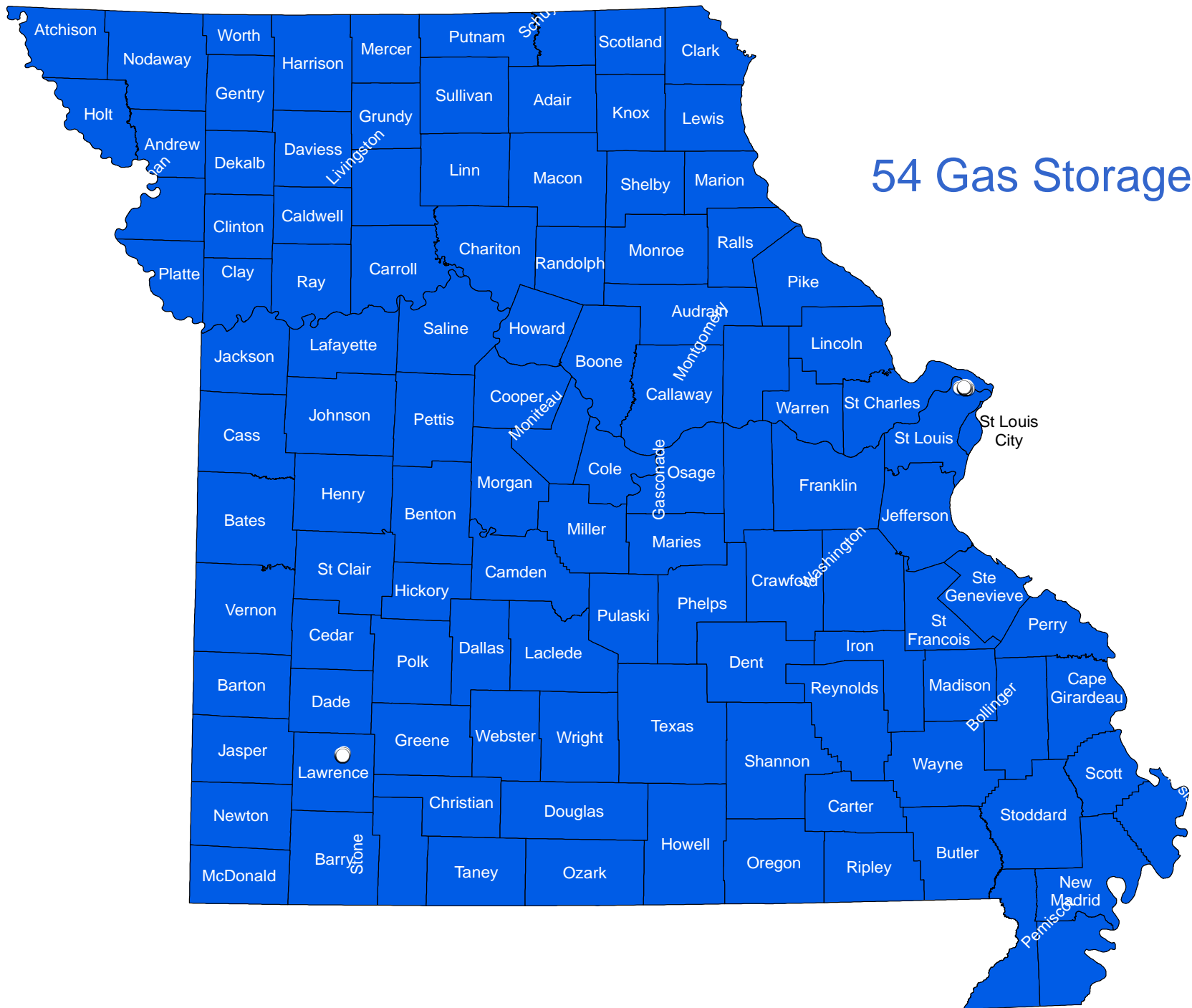


# Class II Injection Wells

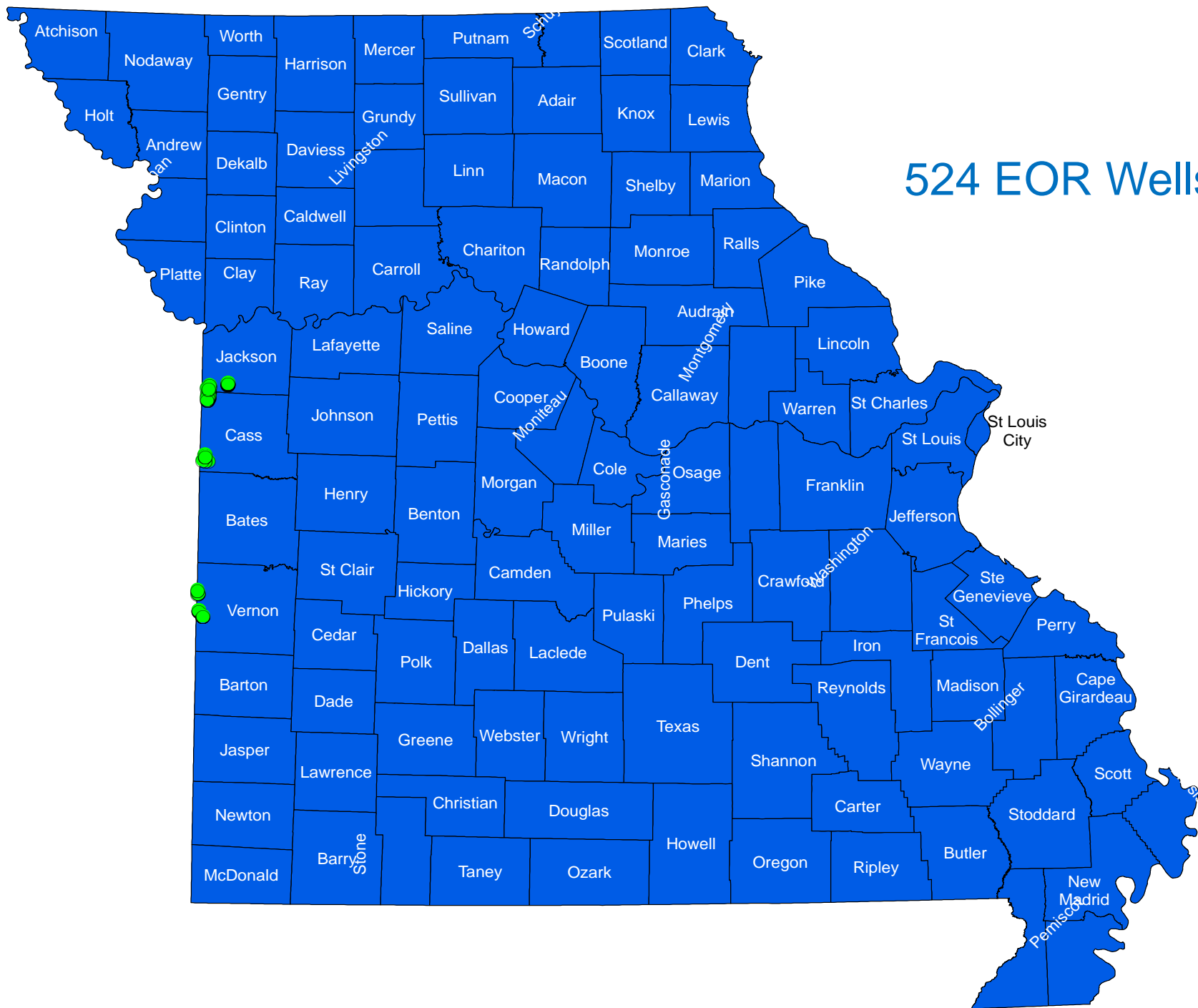
- Wells that inject fluids in connection with oil/gas production
  - Disposal of produced salt water
  - Injection of gas as a liquid in a storage project
  - Injection of fluids for enhance recovery
- Missouri has 593 Class II wells
  - Saline Water Disposal-15
  - Gas Storage-54
  - Enhanced Oil Recovery-524







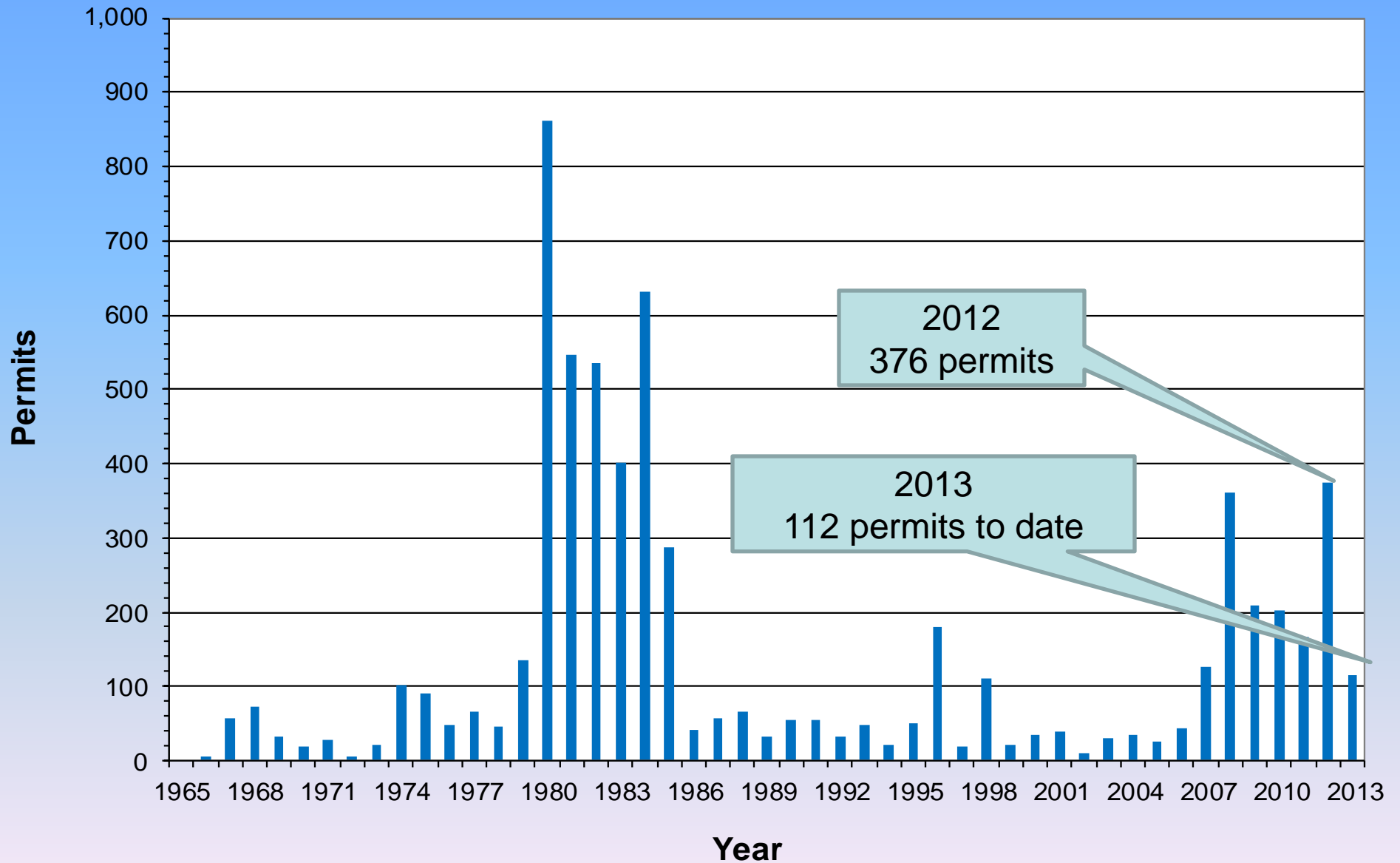
54 Gas Storage Wells



# 2012 Permits Issued by DGLS

• Cass County (282)	14	Altavista Energy Inc.
	227	Kansas Resource Exploration & Development
	33	S & B Operating LLC
	8	Town Oil Company
• Jackson County (24)	22	Altavista Energy Inc.
	2	Oil Sources Corporation
• St. Louis County (3)	3	Laclede Gas Company
• Vernon County (67)	26	Colt Energy Inc.
	29	Murchison Oil & Gas Inc.
	2	Palo Petroleum Inc.
	9	Running Foxes Petroleum Inc.
	1	Zero-CO <sub>2</sub> LLC
<b>Total</b>	<b>376</b>	

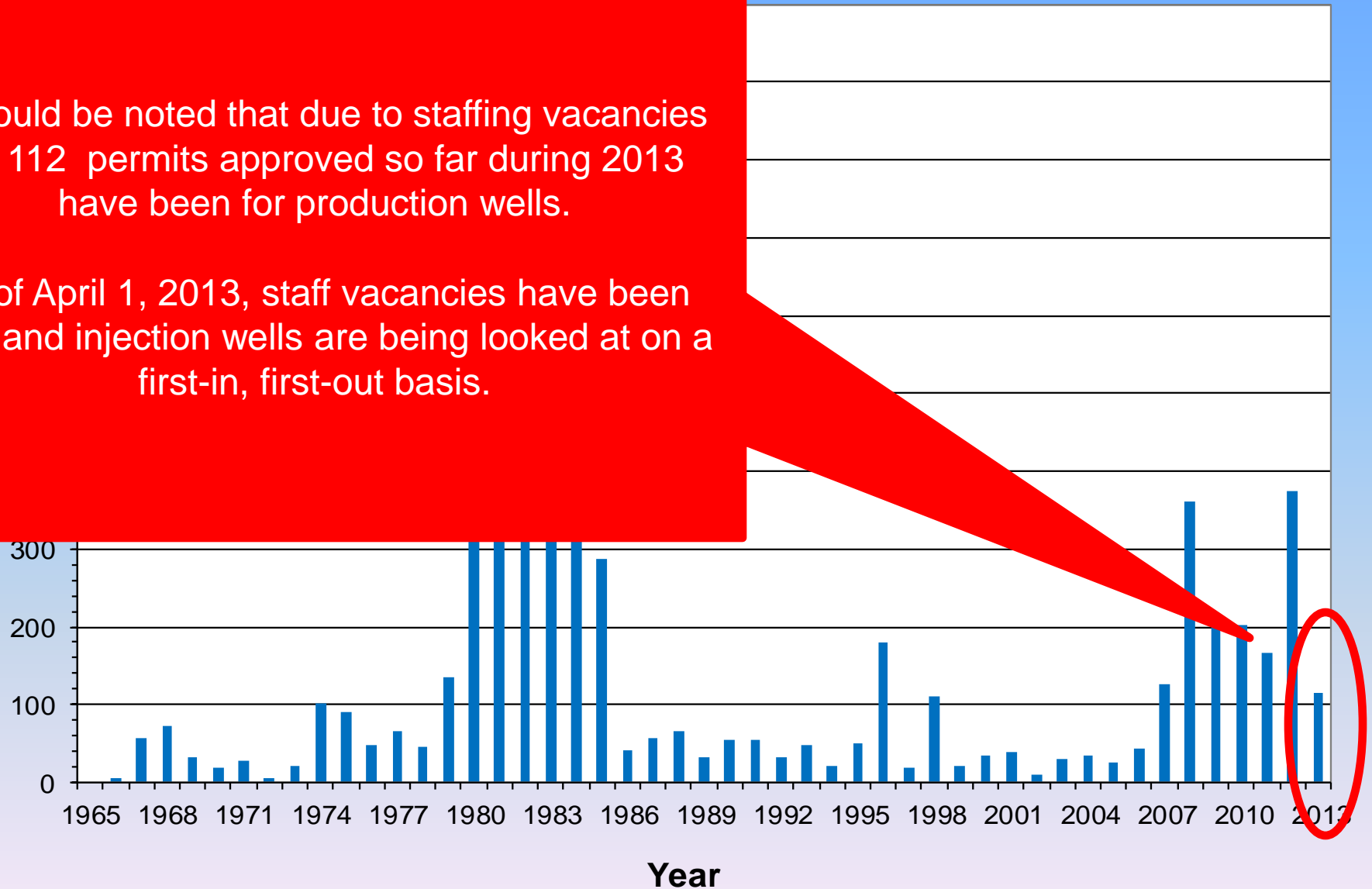
# Historic Permitting



# Historic Permitting

It should be noted that due to staffing vacancies the 112 permits approved so far during 2013 have been for production wells.

As of April 1, 2013, staff vacancies have been filled and injection wells are being looked at on a first-in, first-out basis.



# 2012 Permitted Well Types

Well Type	Total	Active	Under Construction	Shut-in	Temporarily Abandoned	Plugged	Cancelled
Oil Production	168	7	150	1	0	4	6
Injection EOR	152	6	145	0	0	1	0
Injection SWD	2	1	1	0	0	0	0
Stratigraphic Test	53	0	11	1	0	39	2
Observation Well	1	1	0	0	0	0	0
Private Gas	0	0	0	0	0	4	0
Commercial Gas	0	0	0	0	0	0	0
Total	376	15	307	2	0	44	8

# Missouri Wells Plugged

(oil/gas/injection/stratigraphic test)

2010	Wells Plugged	53
2011	Wells Plugged	34
2012	Wells Plugged	44

# Mechanical Integrity Tests and Lease Visits

- MIT were performed on 64 wells total (57 injection wells) in 2012. DGLS staff witnessed 30 (47%) of all MIT conducted.
- 15 lease visits were performed in 2012
- Prepped and plugged four abandoned wells with Oil and Gas remedial funds
- The unit responded to more than 1,100 oil/gas phone calls and inquiries during 2012.



# Oil and Gas Remedial Fund Balance on 04/8/13

**\$11,870**

Total Bonding Held as of  
04/12/13

**\$1,595,009**

Thank You